

PATENT ABSTRACTS OF JAPAN

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(54) TRANSFER FOIL

(57) Abstract:

PURPOSE: To sufficiently follow even a molded product whose corner parts have a small R by deep drawing by successively providing a separating layer consisting of a release varnish layer, a pattern layer and an adhesive layer to a film formed by biaxially stretching specific polyethylene terephthalate.

CONSTITUTION: As a base sheet, a polyester film whose thickness is set to at least 30 μ m formed by biaxially stretching polyethylene terephthalate obtained by adding a resin avoiding crystallization at the time of the polycondensation of terephthalic acid and ethylene glycol is used. A release varnish layer is provided in 1 μ m thickness from a low temp. baking type acrylic polyol resin and a pattern layer is formed using ink containing an urethane resin and an adhesive layer is provided in 1.8 μ m thickness from acrylic adhesive varnish. Next, the transfer foil constituted as mentioned above is used to apply in-mold transfer processing to a tray-shaped molded product using a styrene resin or an acrylic resin and the release varnish layer being a separation layer is separated to remove the base sheet.

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